

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant, Docket No.

USPTB:679USD2/SLH

Serial No.

09/940,173

Applicants

Sean M. Kerwin, Oleg Y. Fedoroff, Miguel Salazar and
Laurence H. Hurley

Filing Date:

August 27, 2001

Group:

Unknown

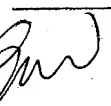

U.S. Patent Documents
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See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Agbandje <i>et al.</i> , "Anthracene-9,10-diones as potential anticancer agents. Synthesis, DNA binding, and biological studies on a series of 2,6-disubstituted derivatives," <i>Med. Chem.</i> , 35:1418-1429, 1992.
	C2	Broccoli <i>et al.</i> , "Telomerase activity in normal and malignant hematopoietic cells," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 92:9082-9086, 1995.
	C3	Chen <i>et al.</i> , "Spectroscopic recognition of guanine dimeric hairpin quadruplexes by a carbocyanine dye," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93:2635-2639, 1996.
	C4	Chung <i>et al.</i> , "p-Quinone methides as geometric analogues of quinolone carboxylate antibacterials," <i>Bioorganic & Medicinal Chem. Letters</i> , 6(12):1309-1312, 1996.
	C5	Collier <i>et al.</i> , "Synthesis, molecular modeling, DNA binding, and antitumor properties of some substituted amidoanthraquinones," <i>Med. Chem.</i> , 31:847-857, 1988.
	C6	Ebisuno <i>et al.</i> , "The cytotoxic effects of fleroxacin and ciprofloxacin on transitional cell carcinoma in vitro," <i>Cancer</i> , 80(12):2263-2267, 1997.
	C7	Fedoroff <i>et al.</i> , "NMR-based model of a telomerase-inhibiting compound bound to G-quadruplex DNA," <i>Biochemistry</i> , 37(36):12367-12374, 1998.
	C8	Fox <i>et al.</i> , "A molecular anchor for stabilizing triple-helical DNA," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 92:7887-7891, 1995.

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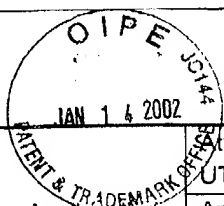
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	C9	Greider <i>et al.</i> , "Identification of a specific telomere terminal transferase activity in Tetrahymena extracts," <i>Cell</i> , 43(2Pt1):405-413, 1995.					
	C10	Haq <i>et al.</i> , "Molecular anchoring of duplex and triplex DNA by disubstituted anthracene-9/10-diones: calorimetric, UV melting, and competition dialysis studies," <i>J. Am. Chem. Soc.</i> , 118:10693-10701, 1996.					
	C11	Hertzberg and Johnson, "Antineoplastic Agents," <i>In: Annual Reports in Medicinal Chemistry</i> , Plattner (ed.) 18:167-176, 1993.					
	C12	Hsiung <i>et al.</i> , "A mutation in yeast <i>TOP2</i> homologous to a quinolone-resistant mutation in bacteria," <i>The J. of Biol. Chem.</i> , 270(35):20359-20364, 1995.					
	C13	Izbicka <i>et al.</i> , "Effects of cationic porphyrins as G-quadruplex interactive agents in human tumor cells," <i>Cancer Res</i> , 59(3):639-644, 1999.					
	C14	Khac and Moreau, "Interactions between fluoroquinolones, Mg ²⁺ , DNA and DNA gyrase, studied by phase partitioning in an aqueous two-phase system and by affinity chromatography," <i>J. of Chromatography A</i> , 668:241-247, 1994.					
	C15	Kim <i>et al.</i> , "Specific association of human telomerase activity with immortal cells and cancer," <i>Science</i> , 266:2011-2015, 1994.					
	C16	Laughlan <i>et al.</i> , "The high-resolution crystal structure of a parallel-stranded guanine tetraplex," <i>Science</i> , 265:520-524, 1994.					
	C17	Lecomte <i>et al.</i> , "NMR investigation of pefloxacin-cation-DNA interactions: the essential role of Mg ²⁺ ," <i>Intl. J. of Pharmaceutics</i> , 164:57-65, 1998.					
	C18	Lecomte and Chenon, "NMR investigation of pefloxacin/cation/DNA interactions. Mg ²⁺ and Ca ²⁺ Binding," <i>Intl. J. of Pharmaceutics</i> , 139:105-112, 1996.					
	C19	Lecomte <i>et al.</i> , "Effect of magnesium complexation by fluoroquinolones on their antibacterial properties," <i>Antimicrobial Agents and Chemotherapy</i> , 38(12):2810-2816, 1994.					
	C20	Lecomte <i>et al.</i> , "NMR investigation of pefloxacin-cation-DNA interactions," 1995.					
	C21	Llorente <i>et al.</i> , "Using SAR and QSAR analysis to model the activity and structure of the quinolone-DNA complex," <i>Bioorganic & Medicinal Chem.</i> , 4(1):61-71, 1996.					

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	C22	Martinez <i>et al.</i> , "Effect of magnesium and calcium complexation on the photochemical properties of norfloxacin," <i>Photochemistry and Photobiology</i> , 64(6):911-917, 1996.					
	C23	Norton <i>et al.</i> , "Inhibition of human telomerase activity by peptide nucleic acids," <i>Nature Biotechnology</i> , 14:615-619, 1996.					
	C24	Palmer <i>et al.</i> , "Potential antitumor agents. 54. Chromophore requirements for in vivo antitumor activity among the general class of linear tricyclic carboxamides," <i>J. Med. Chem.</i> , 31:707-712, 1988.					
	C25	Parkinson, "Do telomerase antagonists represent a novel anti-cancer strategy?" <i>Brit. J. Cancer</i> , 73:1-4, 1996.					
	C26	Perry <i>et al.</i> , "1,4- and 2,6-disubstituted amidoanthracene-9,10-dione derivatives as inhibitors of human telomerase," <i>J Med. Chem.</i> , 41(17):3252-3260, 1998.					
	C27	Perry <i>et al.</i> , "Human telomerase inhibition by regioisomeric disubstituted amidoanthracene-9,10-diones," ABSTRACT, <i>J. Med. Chem.</i> , 41(24):4873-4884, 1998.					
	C28	Rodighiero <i>et al.</i> , "Angular furoquinolinones, psoralen analogs: novel antiproliferative agents for skin diseases. Synthesis, biological activity, mechanism of action, and computer-aided studies," <i>J. Med. Chem.</i> , 39:1293-1302, 1996.					
	C29	Ross and Riley, "Physicochemical properties of the fluoroquinolone antimicrobials. III. Complexation of lomefloxacin with various metal ions and the effect of metal ion complexation on aqueous solubility," <i>Intl. J. of Pharmaceutics</i> , 87:203-213, 1992.					
	C30	Ross and Riley, "Physicochemical properties of the fluoroquinolone antimicrobials. II. Acid ionization constants and their relationship to structure," <i>Intl. J. of Pharmaceutics</i> , 83:267-272, 1992.					
	C31	Salazar <i>et al.</i> , "Thermally induced DNA:RNA hybrid to G-quadruplex transitions: possible implications for telomere synthesis by telomerase," <i>Biochemistry</i> , 35:16110-16115, 1996					
	C32	Sen and Gilbert, "A sodium-potassium switch in the formation of four-stranded G4-DNA," <i>Nature</i> , 344(6265):410-414, 1990.					
	C33	Sun <i>et al.</i> , "Inhibition of human telomerase by a G-quadruplex-interactive compound," <i>J. Med. Chem.</i> , 40(14):2113-2116, 1997.					

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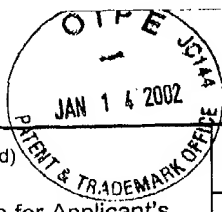
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	C34	Tanious <i>et al.</i> , "Substituent position dictates the intercalative DNA-binding mode for anthracene-9,10-dione antitumor drugs," <i>Biochemistry</i> , 31:11632-11640, 1992.					
	C35	Wang <i>et al.</i> , "Guanine residues in d(T ₂ AG ₃) and d(T ₂ G ₄) form parallel-stranded potassium cation stabilized G-quadruplexes with anti glycosidic torsion angles in solution," <i>Biochemistry</i> , 31:8112-8119, 1992.					
	C36	Weitzmann <i>et al.</i> , "The development and use of a DNA polymerase arrest assay for the evaluation of parameters affecting intrastrand tetraplex formation," <i>J. Biol. Chem.</i> , 271(34), 20958-20964, 1996.					
	C37	Wentland <i>et al.</i> , "Mammalian topoisomerase II inhibitory activity of 1-cyclopropyl-6,8-difluoro-1,4-dihydro-7-(2,6-dimethyl-4-pyridinyl)-4-oxo-3-quinolinecarboxylic acid and related derivatives," <i>J. Med. Chem.</i> , 36:2801-2809, 1993.					
	C38	Yamakuchi <i>et al.</i> , "New quinolones, ofloxacin and levofloxacin, inhibit telomerase activity in transitional cell carcinoma cell lines," ABSTRACT, <i>Cancer Letters</i> , 119(2):213-219, 1997.					
	C39	Zahler <i>et al.</i> , "Inhibition of telomerase by G-quartet DNA structures," <i>Nature</i> , 350:718-720, 1991.					
	C40	Grootenhuis <i>et al.</i> , "Finding potential DNA-binding compounds by using molecular shape," ABSTRACT, <i>J. Comput. Aided Mol. Des.</i> , 8(6):731-750, Dec, 1994.					
	C41	Kaufman and Hancock, "Topoisomerase II as a target for anticancer chemotherapy," ABSTRACT, <i>Acta Biochem. Pol.</i> , 42(4):381-393, 1995					

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